



Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) ~~A liquid treating equipment~~ Equipment comprising:
  - a storage vessel storing a liquid and having a desired liquid level;
  - an injection tube to inject the liquid into the storage vessel;
  - a liquid supplying means connected to the injection tube to supply the liquid into the storage vessel through the injection tube;
  - a discharging vessel having a desired liquid level and connected to the storage vessel via a flow path, wherein the desired liquid levels of the storage vessel and the discharging vessel are equal and the flow path is at a lower depth than the desired liquid level, and wherein the discharge vessel and storage vessel are horizontally disposed to each other;
  - a discharge tube including a discharge inlet mounted above the discharging vessel so that the discharge inlet opens therein in a configuration where a cross section of the inlet is planar with a desired liquid level in the discharging vessel; and
  - a means for maintaining the liquid at the desired liquid level in the discharging vessel and the storage vessel, wherein the means for maintaining the desired liquid level comprises the liquid supplying means and a liquid discharging means connected to the discharge tube to discharge the liquid from the discharging vessel through the discharge tube, wherein operation of the liquid discharging means maintains the desired liquid level.
2. (Currently Amended) ~~A liquid treating~~ The equipment as defined in claim 1, wherein the discharge vessel has a larger surface area than that of the storage vessel.
3. (Currently Amended) ~~A liquid treating~~ The equipment as defined in claim 2, wherein the discharge vessel has a surface area twice or over as large as that of the storage vessel.

4. (Currently Amended) ~~A liquid treating~~ The equipment as defined in claim 3, wherein the discharge vessel has a surface area denary or over as large as that of the storage vessel.

5. (Currently Amended) ~~A liquid treating~~ The equipment as defined in claim 1, wherein the discharge vessel has a depth smaller than that of the storage vessel.

6. (Currently Amended) ~~A liquid treating~~ The equipment as defined in claim 1, wherein an injecting inlet of the injection tube is positioned at a lower level position than the desired liquid level in the storage vessel.

7. (Currently Amended) ~~A liquid treating~~ The equipment as defined in claim 1, wherein the flow path has an opened canaliculate shape of which at least part of a bottom surface of the flow path is situated at a lower level position than the desired liquid level in the storage vessel.

8. (Currently Amended) ~~A liquid treating~~ The equipment as defined in claim 1, wherein the flow path has a tubular shape of which at least a part of a bottom surface of the flow path is situated at a lower level position than the desired liquid level in the storage vessel.

9. (Currently Amended) ~~A liquid treating~~ The equipment as defined in claim 1, wherein the liquid discharging means has a sufficient flow rate larger than that of the liquid supplying means.

10. (Currently Amended) ~~A liquid treating equipment~~ Equipment comprising:  
a storage vessel storing a liquid and having a desired liquid level;  
an injection tube to inject the liquid into the storage vessel;  
a liquid supplying means connected to the injection tube to supply the liquid into the storage vessel through the injection tube;

a discharging vessel having a desired liquid level and joined with the storage vessel via a flow path, wherein the desired liquid levels of the storage vessel and the discharging vessel are equal and the flow path is at a lower depth than the desired liquid level;

a discharge tube including a discharging inlet mounted above the discharging vessel so that the discharging inlet opens therein in a configuration where a cross section of the inlet is planar with a desired liquid level in the discharging vessel; and

a means for maintaining the liquid at the desired liquid level in the discharging vessel and the storage vessel, wherein the means for maintaining the desired liquid level comprises the liquid supplying means and a liquid discharging means connected to the discharge tube to discharge the liquid from the discharging vessel through the discharge tube, wherein the discharging inlet of the discharge tube is positioned in a central region from all sides of the discharge vessel and operation of the liquid discharging means maintains the desired liquid level.

11. (Currently Amended) ~~A liquid treating~~ The equipment as defined in claim 10, wherein the discharging inlet of the discharge tube is positioned at a center axis of the discharge vessel, wherein the center axis is in a vertical direction.

12. (Currently Amended) ~~A liquid treating~~ The equipment as defined in claim 1, wherein the storage vessel, the flow path and the discharging vessel are integrally formed in a single base material.

13. (Currently Amended) ~~A liquid treating~~ The equipment as defined in claim 12, wherein the base material is composed of an acrylic board.

14. (Currently Amended) ~~A liquid treating~~ The equipment as defined in claim 12, wherein at least the surfaces of the storage vessel, the flow path and the discharge vessel are hydrophilic-treated.

15. (Currently Amended) ~~A liquid treating~~ The equipment as defined in claim 1, wherein the liquid supplying means and the liquid discharging means are composed of air pump mechanisms, respectively.

16. (Currently Amended) ~~A liquid treating~~ The equipment as defined in claim 15, wherein each of the air pump mechanisms comprises a rotary air pump and a liquid tank communicated with the rotary air pump.

17. (Currently Amended) ~~A liquid treating~~ The equipment as defined in claim 1, wherein the liquid supplying means and the liquid discharging means are composed of positive displacement pumps having their plunger moving back and forth in their cylinders, respectively.

18. (Currently Amended) ~~A liquid treating~~ The equipment as defined in claim 17, wherein each of the plungers of the positive displacement pumps is driven by a pulse motor.

19. (Canceled)